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AS81659/69

FEDERAL SUPPLY CLASS
5935

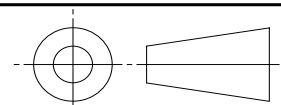
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THIRD ANGLE PROJECTION



ISSUED 2004-05

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81659

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTORS, ELECTRICAL, RECTANGULAR, PLUG, CRIMP CONTACTS, (DUAL INSERT, TYPE IV, CLASS 1, (-65°C TO +125°C), SERIES 2, SHELL DESIGNATOR A)

AS81659/69
SHEET 1 OF 4

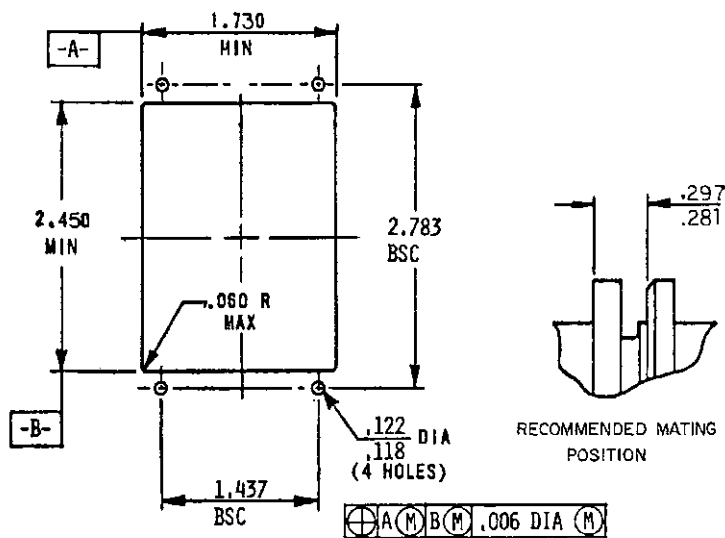
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SUGGESTED PANEL CUT-OUT DIMENSIONS

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.006	.15	.125	3.18	.521	13.23	1.367	34.72	1.985	50.42
.047	1.19	.133	3.38	.541	13.74	1.387	35.23	2.015	51.18
.060	1.52	.178	4.52	.7185	18.25	1.3915	35.34	2.145	54.48
.093	2.36	.198	5.03	.885	22.48	1.427	36.25	2.440	61.98
.115	2.92	.225	5.72	.897	22.78	1.437	36.50	2.450	62.23
.117	2.97	.235	5.97	.927	23.55	1.447	36.75	2.783	70.64
.118	3.00	.281	7.14	.947	24.05	1.720	43.69	3.095	78.61
.122	3.10	.297	7.54	1.215	30.86	1.730	43.94	3.125	79.38

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING.
4. NORMAL (01) POLARIZATION POSITION SHOWN. FOR ALTERNATE POSITIONS SEE MIL-C-81659.
5. FOR LOCATION OF DATUMS G AND H REFER TO MIL-C-81659, FIGURE 6.

REQUIREMENTS:

INSERT ARRANGEMENTS SHALL BE IN ACCORDANCE WITH MS3157.

CONTACTS SHALL BE IN ACCORDANCE WITH MIL-C-39029/11 OR MIL-C-39029/12 AS APPLICABLE.

INSTALLING AND REMOVAL TOOLS SHALL BE IN ACCORDANCE WITH MS3156 OR MS3447.